

CLAIMS

1. (Amended) A method for processing brittle material in which a laser light from a laser light source irradiates the brittle material and an irradiating position of the laser light is moved along a predetermined line;
5 the method comprising:

providing a plurality of wave guides which guide the laser lights from the plurality of laser light sources to the brittle material, and

10 irradiating a composite laser light which achieves a predetermined shape on to the surface of the brittle material by driving the plurality of laser light sources with these wave guides bundled together, and

adjusting an intensity distribution of this composite laser light by controlling respectively the light intensity of the plurality of the laser light sources.

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2. (Amended) The method for processing brittle material according to claim 1, wherein the shape of the composite laser light is set by selectively driving the plurality of laser light sources.

20 3. (Amended) The method for processing brittle material according to claim 1, wherein the shape of the composite laser light is set by selecting a method for bundling the plurality of wave guides.

4. (Amended) The method for processing brittle material according to
25 claim 1, wherein the plurality of laser light sources are set to different output intensities.

5. (Amended) The method for processing brittle material according to claim 1, wherein the shape of the composite laser light is set by controlling
30 an emission start time of the plurality of light sources to a predetermined

sequence of time differences.

6. (Amended) An apparatus for processing brittle material by irradiating the brittle material with a laser light from a laser light source and moving that irradiating position along a predetermined line, comprising:

a plurality of laser light sources;

a plurality of bundled wave guides which guide the laser light from each laser light source to the surface of the brittle material, and;

a scanning means for moving a position at which the laser light is irradiated onto the brittle material,

wherein the composite laser light which has a predetermined shape is irradiated onto the surface of the brittle material with the plurality of bundled wave guides, and the light intensity distribution of this composite laser light is adjusted by controlling respectively the light intensity of the plurality of laser light sources.

7. (New) The apparatus for processing brittle material according to claim 6, further comprising:

a light intensity measuring means for measuring a light intensity distribution of the composite laser light on the irradiated surface of the brittle material.

8. (New) The apparatus for processing brittle material according to claim 6, further comprising:

a transportation means for transporting the light intensity measuring means along a laser light irradiated surface of the brittle material.